

TITLE	Travaskis, E., Waterston, R., Williamson, A., Wohldmann, P. and Wilson, R.
JOURNAL	The WashU-Merck EST Project
COMMENT	Unpublished (1995)
GDB:	G00-402-898
Contact:	Wilson RK WashU-Merck EST Project Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
FAX:	314 286 1800
Email:	est@watson.wustl.edu
High quality sequence stops:	458
Source:	IMAGE Consortium, LIN
This clone is available royalty-free through LILN ; contact	
IMAGE Consortium (info@image.lnl.gov) for further information	
FEATURES	Location/Qualifiers
source	1. .539 /organism="Homo sapiens" /clone="30551"
BASE COUNT	140 a 122 c 152 g 116 t 9 others
ORIGIN	
RESULT	2
AA788958	
LOCUS	AA788958 895 bp mRNA
DEFINITION	as40d05.s1 Jia bone marrow stroma Homo sapiens cdNA clone 11
	3' similar to qb:X12701 PLASMINOGEN ACTIVATOR INHIBITOR-1
	PRECURSOR, ENDOTHERIAL (HUMAN); contains element MER33 repeat
	element ; mRNA sequence.
ACCESSION	AA788958
NID	92849078
KEYWORDS	EST.
SOURCE	human.
ORGANISM	Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria;	
Primates; Catarrhini; Hominoidea; Homo.	
REFERENCE	AA788958 06-FEB-199
AUTHORS	Jia,L., Wilkin,D., Bittner,M., Bonner,R., Schuler,G., Boguski,M., Krizman,D., Liotta,L., Lennion,G., Roodman,D., Hottchiss,R., Meitler,P., Powell,J., Hillier,L., Allen,M., Bowles,L., Geisel,S., Kucera,J., Trent,J., Martin,J., Steptoe,M., Tan,F., Theising,B., Bowers,Wylie,T., Waterston,R., Wilson,R. and Francomano,C.
TITLE	WashU-NIGRI EST Project
JOURNAL	Unpublished (1997)
COMMENT	Contact: Wilson RK / Jia L WashU-NGB/NIGRI EST Project Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA Tel: 314 286 1800 Fax: 314 286 1910 Email: est@watson.wustl.edu

sequence: 5' GAATTGGCACGAG 3' -3' adaptor sequence: 5'
CTCGACTTTTCTTTTTTTT 3;"

/db_xref="59135"
/clone_lname="Stratagene endothelial cell 937223"

/dev_stage="umbilical vein, 1 passage"
/lab_host="SOLR (kanamycin resistant)"

complement(<1. >50%)
complement(<1. >50%)
complement(<1. >50%)

mRNA
BASE COUNT
ORIGIN

135 a 123 c 124 g 123 t 1 others

9712 Medical Center Drive, Rockville, MD 20850 USA
Tel: 301899056
Fax: 301899423

Email: arteria@tigr.org
For clone availability, additional sequence and expression information related to this EST, please check the TIGR Human Gene Index (<http://www.tigr.org/cdb/hgi/hgi.html>)
Seq. primer: M13 Reverse.

FEATURES
source

Query Match	9.4%	Score 33.6;	DB 14;	Length 506;	
Best Local Similarity	48.0%	Pred. No. 4.3;			
Matches	96;	Conservative	0;	Gaps	0;
		Mismatches	104;	Indels	0;
Qy	95	aaacacttggaggtagataatcgactcaaccatgtggctttggggccaaaa	154		
Db	163	AAAATAAAAGGAAGAATCCTCAATGTAAACAGTCACCTACCTCCAAA	222		
Qy	155	tgacttcgtgatcatctgtgggggtggggatggaaaqgggtqaatggact	214		
Db	223	TAACCCATGACACAGTGTTGGGAGGAGATGCCAGGCAGAGTTGCCACAT	282		
Qy	215	tgctgattacacccatctggatgtggatcccccgtgtatctggggggccatgc	274		
Db	283	GATGGGGAAATTCACTCTGCCACACCCCTGTACTGGGGGGGGGGCGCATG	342		
Qy	275	cuaaagtgttcacccagg	294		
Db	343	CCACAGTGGACTCTAGATG	362		
RESULT	6				
AA373695	361 bp	mRNA	EST	21-APR-1997	
LOCUS	EST85742	HSC172 cells I Homo sapiens cDNA 5'	end similar to		
DEFINITION	plasminogen activator inhibitor, type 1, endothelial, mRNA	sequence			
ACCESSION	AA173695				
NID	92026015				
KEYWORDS	EST.				
ORGANISM	Homo sapiens	Eukaryota; mitochondrial; eukaryotes; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.			
REFERENCE	1 (bases 1 to 361)				
AUTHORS	Adams, M.D., Kerlavage, A.R., Fleischmann, R.D., Fulmer, R.A., White, N.H., Kirkness, E.F., Weinstock, K.G., Gocayne, J.D., Clayton, R.A., Cline, R., Cotton, D., Barile-Hughes, J., Brandon, R.C., Man-Wai, C., Fitzgerald, L.M., FitzHugh, W.M., Fralichman, J.L., Geoghegan, N.S., Glodek, A., Gnehm, C.L., Hanna, M.C., Hedblom, E., Hinkle, P.S., Jr., Kelley, J.M., Kelley, J.C., Liu, L.-I., Mammaros, S.M., Merrick, J.M., Moreno-Palaques, R.F., McDonald, L.A., Nguyen, D.T., Pellegrino, S.M., Phillips, C.A., Ryder, S.E., Scott, J.L., Saunder, D.M., Shirley, R., Small, K.V., Spriggs, T.A., Utterback, T.R., Weidman, J.F., Li, Y., Bednarik, D.P., Cao, L., Cepeda, M.A., Colman, T.A., Collins, E.J., Dimke, D., Feng, D.-F., Ferrie, A., Fischer, C., Hastings, G.A., He, W.W., Hu, J.S., Greene, J.M., Gruber, J., Hudson, P., Kim, A.K., Kozak, D.L., Kunsch, C., Hungjun, J., Li, H., Meissner, P.S., Olsen, H., Raymond, L., Wei, Y.F., Wing, J.J., Xu, C., Yu, G.L., Ruben, S.M.,				
TITLE	Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence				
JOURNAL	Nature 377 (6547 Suppl), 3-174 (1995)				
COMMENT	Other ESTs: THC165970				
Bioinformatics	Contact: Kerlavage, AR				
The Institute for Genomic Research					
FEATURES	High quality sequence stop: 386.				
source	Location/Qualifiers				
	1. .387				

/organism="Homo sapiens"
 /note="Organ: Placenta; Vector: pT7T3D (Pharmacia) with modified polylinker; Site:1: Not I; Site:2: Eco RI; 1st strand cDNA was primed with a Not I - Oligo(dt) primer TGTATCCACATTCGAATGGAGCGGCCGCGATTTTTTTTTTTTT 3', double-stranded cDNA was size selected, ligated to Eco I adapters (Pharmacia), digested with Not I and cloned in the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library constructed by Bento Soares and M.Fatima Bonaldo."
 M.Fatima Bonaldo."
 /clone_xref-taxon:9606
 /clone="IMAGB:1758150"
 /clone_lib="soares_placenta_8to9weeks_2NBHB8t0g9"
 /dev_stage="two placenta: one from 8 weeks and another from 9 weeks post conception"
 /lab_host="DH10B (ampicillin resistant)"
 106 a 91 c 94 g 96 t

```

AACTGGAAGATTAAATTAAAGATCTTTTTTTTTTTTTTTTTT 3',  

double-stranded cDNA was ligated to Eco RI adaptors  

(Pharmacia), digested with Pac I and cloned into the Pac  

and Eco RI sites of the modified pRIT3 vector. Library  

went through one round of normalization. Library  

constructed by Bento Soares and M.Fátima Bonaldo.  

/dbxref="taxon:9606"  

/clone="IMAGE:1850563"  

/clone_1="Soares_fetal_liver_spleen_1NFLS_S1"  

/sex="male"  

/dev_stage="20 week-post conception fetus"  

/lab_host="DH10B (ampicillin resistant)"  

108 a 100 c 97 g 100 t

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Sequence Comparison Report							
Source		Target		Match Statistics		Comments	
SEQUENCE COUNT	108 a	100 c	97 g	100 t			
LOCUS	676940	AA676940	376 bp	mRNA	EST	19-DEC-1997	
DEFINITION	2169905.s1	Soares fetal liver spleen INFSL S1	Homo sapiens	CDNA			
ACCESSION	AK676940	clone 460184 3', mRNA sequence.					
KEYWORDS	D EST						
ORGANISM	human.						
PREFERENCE	Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.						
AUTHORS	Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S., Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R.						
REFERENCE	1 (bases 1 to 376)						
AUTHORS	Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S., Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R.						
COMMENT	Unpublished (1997)						
CONTACT	Wilson RK						
	Washington University School of Medicine						
	4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108						
	Tel.: 314 286 1800						
	Fax: 314 286 1810						
	Email: est@watson.wustl.edu						
FEATURES	This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.						
SOURCE	Seq primer: -40m13 fwd. FM from Amersham						
ATTRIBUTES	High quality sequence stop: 368.						
QUALIFIERS	Location/Qualifiers						
1. .376							
ORGANISM	"Homo sapiens"						
NOTE	Organ: Liver and Spleen; Vector: PT7T3D (Pharmacia) with a modified polylinker; Site-1: Pac I; Site-2: Eco RI; this is a subtracted version of the original sources fetal						
NOTE	"Organ: Liver and Spleen; Vector: PT7T3D (Pharmacia)						
LOCATION/QUALIFIERS	1. .368						
ORGANISM	"Homo sapiens"						
NOTE	"Organ: Liver and Spleen; Vector: PT7T3D (Pharmacia)						

with a modified polylinker; Site_1: Pac I; site_2: Eco RI; This is a subtracted version of the original Soares fetal liver spleen INFSL library. 1st strand cDNA was primed with a Pac I - oligo(dT) primer [5', AACTGAAAGATTAAATTAAGATCTTTTTTTTTTTTTTTT 3'], double stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Pac I and cloned into the Pac I and Eco RI sites of the modified pTR3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo." /db_xref="SDB:1335639", /clone lib="Soares fetal liver spleen INFSL S1", /sex="Male", /dev_stage="20 week-post conception fetus", /lab_host="DHL10B (ampicillin resistant)", /clone lib="Gessier Wilms tumor"

BASE COUNT	106 a	90 c	95 g	97 t	ORIGIN
------------	-------	------	------	------	--------

Query Match	9.4%	Score 33.6;	DB 25;	Length 388;	
Best Local Similarity	48.0%	Pred. No.	4.2;		
Matches	96;	Conservative	0;	Mismatches	104;
				Indels	0;
				Gaps	0;
Qy	95	aaacacttggggcagataactggcccaaccatgactgtttctggaggccaaaca	154		
Db	161	AAATAAAAGGAGCAGAATCTGCTCAATGAGTAACAGTCACCTAACAAA	220		
Qy	155	ggacttctggatcatcctgtgggggtggggatggtaatgggtact	214		
Db	221	TAACCCTACCACTGTTCGGAGGGAGTGCCACAT	280		
Qy	215	gtcgtattacaaccttcgttgcgtcccccgtttatctggggaaaggggccatgc	274		
Db	281	GATGGGGCAATTCACTGCCACCTGCAGCACCCCTGACAGGGGGTGCCAGTG	340		
Qy	275	ccaaagtgtcacagccagg	294		
Db	341	CCACAGTGGACTCTGAGATG	360		

RESULT 12
AI049954 LOCUS AT049954 413 bp mRNA EST 09-JUL-1998 DEFINITION an34h12 x1 Gessier Wilms tumor Homo sapiens cDNA clone IMAGE:1000615 3', mRNA sequence.

ACCESSION

AI049954

NID

93299071

EST.

human.

Homo sapiens

Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria;

Primates; Catarrhini; Hominidae; Homo.

REFERENCE

1 (bases 1 to 411)

AUTHORS

Hillier,L., Alten,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S.,

Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M.,

Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F.,

Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R.

WashU-NCI Human EST Project

Unpublished (1997)

COMMENT

Contact: Wilson RK Washington University School of Medicine

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Tel: 314 286 1800

Fax: 314 286 1810

Email: est@watson.wustl.edu

This clone is available royalty-free through LILN; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

FEATURES

Source

1. 413

/organism="Homo sapiens"
/note="Vector: pSPORNI; Site_1: SalI; Site_2: NotI; RNA was prepared from a pool of 6 anonymous Wilms' tumor RNAs. RNA was prepared by acid phenol, followed by one round of oligo dT. CDNA library preparation was with the BRL/Life Tech. Superscript Plasmid system. An oligo-dT NotI primer for first strand synthesis generated ggcccccctt at the 3' end of the clones. A 5' SalI adaptor was used with sequence 5'-gtcgaccacgtcgtcg-3'. Resulting cDNAs were size selected (average size 2 kb). NotI digested, and ligated into NotI/SalI-cut pSPORNI. Library was constructed by Dr. Manfred Gessler."

/db_xref="IMAGE:1700615", /clone lib="Gessier Wilms tumor"

/sex="Male", /lab_host="DHL10B"

/sex="Pooled (6)", /lab_host="DHL10B"

BASE COUNT	108 a	102 c	102 g	101 t	ORIGIN
------------	-------	-------	-------	-------	--------

Query Match	9.4%	Score 33.6;	DB 29;	Length 413;	
Best Local Similarity	48.0%	Pred. No.	4.2;		
Matches	96;	Conservative	0;	Mismatches	104;
				Indels	0;
				Gaps	0;
Qy	95	aaacacttggggcagataactggcccaaccatgactgtttctggaggccaaaca	154		
Db	160	AAATAAAAGGAGCAGAATCTGCTCAATGAGTAACAGTCACCTACCTCCAAA	219		
Qy	155	ggacttctggatcatcctgtgggggtggggatggtaatgggtact	214		
Db	220	TAACCCATGACACTGTCTGGGGAGGATGCCACGGAGTTGGCCACAT	279		
Qy	215	gtcgattacaaccttcgttgcgtcccccgtttatctggggaaaggggccatgc	274		
Db	280	GATGGGGCAATTCACTGCCACCTGCAGCACCCCTGACAGGGGGTGCCAGTG	339		
Qy	275	ccaaagtgtcacagccagg	294		
Db	340	CCACAGTGGACTCTGAGATG	359		

Query Match	9.4%	Score 33.6;	DB 29;	Length 413;	
Best Local Similarity	48.0%	Pred. No.	4.2;		
Matches	96;	Conservative	0;	Mismatches	104;
				Indels	0;
				Gaps	0;
Qy	95	aaacacttggggcagataactggcccaaccatgactgtttctggaggccaaaca	154		
Db	160	AAATAAAAGGAGCAGAATCTGCTCAATGAGTAACAGTCACCTACCTCCAAA	219		
Qy	155	ggacttctggatcatcctgtgggggtggggatggtaatgggtact	214		
Db	220	TAACCCATGACACTGTCTGGGGAGGATGCCACGGAGTTGGCCACAT	279		
Qy	215	gtcgattacaaccttcgttgcgtcccccgtttatctggggaaaggggccatgc	274		
Db	280	GATGGGGCAATTCACTGCCACCTGCAGCACCCCTGACAGGGGGTGCCAGTG	339		
Qy	275	ccaaagtgtcacagccagg	294		
Db	340	CCACAGTGGACTCTGAGATG	359		

RESULT	13	AI087130	LOCUS	AI087130	417 bp mRNA	DEFINITION	zr7c04_x1 Soares senescent fibroblasts_CDNA clone	EST	17-AUG-1998
REFERENCE	1 (bases 1 to 417)	REFERENCE	NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.	AUTHORS	National Cancer Institute, Cancer Genome Anatomy Project (CGAP).	TITLE	Tumor Gene Index	COMMENT	Unpublished (1997)
ACCESSION	AI087130	ACCESSION	93425553	NID	EST.	SOURCE	human.	ORGANISM	Homo sapiens
KEYWORDS		KEYWORDS		EST.		ORGANISM	Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	DEFINITION	mrna
SOURCE		SOURCE		JOURNAL		DEFINITION	clone IMAGE:1681158 3', mRNA sequence.	COMMENT	Contact: Robert_Strausberg, Ph.D.
ORGANISM		ORGANISM		COMMENT		DEFINITION		COMMENT	Tel: (301) 496-1550
PRIMATES		PRIMATES		COMMENT		DEFINITION		COMMENT	Email: Robert_Strausberg@nih.gov
CATARRHINI		CATARRHINI		COMMENT		DEFINITION		COMMENT	This clone is available royalty-free through LILN; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
HOMINIDAE		HOMINIDAE		COMMENT		DEFINITION		COMMENT	IMAGE Consortium (info@image.llnl.gov) for further information.
HOMO		HOMO		COMMENT		DEFINITION		COMMENT	Seq Primer: -40m13 fwd. Fwd from Amersham

/organism="Homo sapiens"

/note="Vector: pT7T3D (Pharmacia) with a modified

polylinker V_RVE: phagemid; Site_1: Not I; Site_2: Eco

RI; 1st strand cDNA was primed with a Not I - oligo(dT)

BASE COUNT 105 a 91 c 93 g 105 t
ORIGIN

Search completed: June 23, 1999, 23:01:51
Job time: 1635 sec

